

FIG. 1

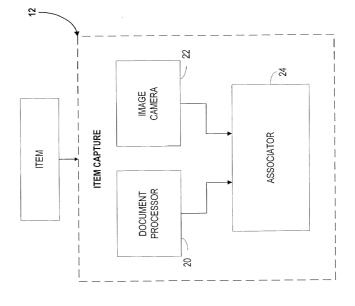


FIG. 2

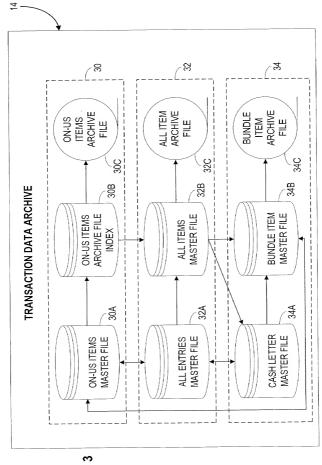


FIG. 3

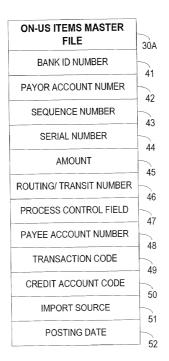


FIG. 4

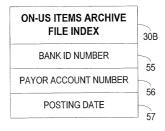


FIG. 5

```
01 AEMF-RECORD
    05 AEMF-KEY.
         10 AEMF-KEY-APPL-SITE
                                                     PIC
             88 AEMF-KEY-APPL-SITE-CHR
                                                     VALUE 'CHR'
                  AEMF-KEY-APPL-SITE-CVL
                                                     WATER SCULE
             80
             88
                 AEMF-KEY-APPL-SITE-RAL
                                                     VALUE 'RAL'
                                                     VALUE 'COL'
                 AEMF-KEY-APPL-SITE-COL
             88
                 AEMF-KEY-APPL-SITE-ATL
                                                     VALUE 'ATL' .
         10
             AEMF-KEY-APPL-DATE.
                                                             x (02) .
             20 AEMF-KEY-APPL-DATE-YYYY
                                                     DTC
                                                             X(01) .
             20
                 AEMF-KEY-APPL-DATE-MM
                                                     PIC
             20
                 AEMF-KEY-APPL-DATE-DD
                                                     PIC
                                                             X(01) .
             AEMF-KEY-CAPT-SORT
                                                     PTC
                                                             X (01)
         10
             AEMF-KEY-CAPT-ENTRY-NUMB
                                                     PTC
                                                             X(02).
         1.0
             AEMF-KET-RECD-NUMB
                                                     PIC
                                                             X(03) COMP-3.
         10
        AEMF-ENTRY-DATA.
         10 AEMF-ENTRY-CAPT-DATE.
              20 AEMF-ENTRY-CAPT-DATE-YYYY
                                                     PTC
                                                            X(02).
             20 AEMF-ENTRY-CAPT-DATE-MM
                                                     PIC
                                                             X(01).
             20 AEMF-ENTRY-CAPT-DATE-DD
                                                     PIC
                                                             X(01).
             AEMF-ENTRY-CAPT-CYCLE
                                                     DIC
                                                             X(01)
         10
         10
             AEMF-ENTRY-LOW-SEQU
                                                     PIC
                                                             X(06).
         10
             AEMF-ENTRY-HGH-SEQU
                                                     PIC
                                                             X(06).
         10
             AEMF-ENTRY-PASS-NUM
                                                     PIC
                                                             X(01) .
         10 APME-ENTRY-STR-TYPE
                                                     PTC
                                                             X (01)
         10
             APME-PATRY-SIRSET-TO
                                                     PIC
                                                             X(03).
         10
             AEMF-ENTRY-NUMB-BLOCKS
                                                     PIC
                                                             9 (07)
                                                                    COMP-3.
            AEMF-ENTRY-NUMB-BATCHS
                                                                    COMP-3.
         10
                                                             9 (07)
         10
             AEMF-ENTRY-NUMB-ITEMS
                                                     PIC
                                                             9 (07)
                                                                    COMP-3.
         10
             FILLER
                                                     PIC
                                                             X(10) .
         AEMF-BLOCK-DATA OCCURS 0 TO 20 TIMES DEPENDING ON
         AEMF-ENTRY-NUMB-BLOCKS.
         10 AEMF-BLOCK-SEQU-NUMB
                                                     PIC
                                                             X (06) .
         10
             AEMF-BLOCK-AMOUNT
                                                     PIC
                                                             X (05) .
         10
             AEMF-BLOCK-CAS-TYPE
                                                     PIC
                                                             X(02).
            AEMF-BLOCK-TRACER-RT
                                                     PIC
                                                             X (04) .
         10
             AEMF-BLOCK-TRACER-ACCT
                                                     PIC
                                                             X(07).
         10 REME-BLOCK-NUMB-TTEMS
                                                     PTC
                                                             9 (06)
                                                                      നന്ന-3
         10 AEMF-BLOCK-AMOUNT-STATUS
                                                     PIC
                                                             X (01) .
              88 AEMF-BLOCK-AMOUNT-RECD-INBAL
                                                     VALUE 'I'.
                  AEMF-BLOCK-AMOUNT-RECD-OUTBAL
                                                     VALUE 'O' .
         10 FILLER
                                                     PIC
                                                             X (09) .
    05 AEMF-BATCH-DATA OCCURS 0 TO 1000 TIMES DEPENDING ON
        AEMF-ENTRY-NUMB-BATCHS
        10 AEMF-BATCH-BLOCK-SEQU-NUMB
                                                     PTC
                                                            X (06)
        10
             AEMF-BATCH-SEQU-NUMB
                                                     PTC
                                                            X(06).
                                                            X(05).
        10 AEMF-BATCH-AMOUNT
                                                     PIC
        10 AEMF-BATCH-NUMB-ITEMS
                                                             9 (06)
                                                                   COMP-3.
         10 AEMF-BATCH-AMOUNT-STATUS
                                                     PIC
                                                             X(01).
             88 AEMF-BATCH-AMOUNT-RECD-INBAL
88 AEMF-BATCH-AMOUNT-RECD-OUTBAL
                                                     VALUE 'I'.
                                                     VALUE 'O'
         10 FILLER
                                                     PTC
                                                            X(09).
```

AEMF - All Entries Master File

AEMF Key ATL 19980102 76 9998 001 String Header

Sequ Number Range 76000008 76000219

ATL 19980102 77 9999 001 String Header 77000220 77000330

Data Records 76000008 Block Ticket 76000011 Batch Ticket

77000220 Block Ticket 77000223 Batch Ticket

```
05 AIMF-KEY.
    10 AIMF-KEY-APPL-SITE
                                               PIC
                                                       X(03).
         88 AIMF-KEY-APPL-SITE-CHR
                                               VALUE 'CHR' .
                                               VALUE 'CVL'
         88 AIMF-KEY-APPL-SITE-CVL
                                               VALUE 'RAL'.
         88
             AIMF-KEY-APPL-SITE-RAL
         88 AIMF-KEY-APPL-SITE-COL
                                               VALUE 'COL'
         88
            AIMF-KEY-APPL-SITE-ATL
                                               VALUE 'ATL'
       AIMF-KEY-APPL-DATE.
         20 AIMF-KEY-APPL-DATE-YYYY
                                                       X(02).
                                               PIC
         20
             AIMF-KEY-APPL-DATE-MM
                                               PIC
                                                       X(01)
         20 AIMF-KEY-APPL-DATE-DD
                                               PIC
                                                       X (01)
        AIMF-KEY-ENTRY
                                               PIC
                                                       X(02)
    1.0
    10 AIMF-KEY-LAST-SEOU.
         20 AIMF-KEY-LAST-SEQU-PRFX
                                               PTC
                                                       X(01).
         20
             AIMF-KEY-LAST-SEQU-SORT
                                               PIC
                                                       X(01).
         20 AIMF-KEY-LAST-SEQU-NUMB
                                               PIC
                                                       X(04).
                                                       9(05) COMP-3.
    10 AIMF-KEY-RECD-NUMB
                                                PIC
        AIMF-KEY-RECD-TYPE
                                                PIC
                                                       X(01).
         88 AIMF-KEY-RECD-CONT
                                                VALUE 'C' .
             AIMF-KEY-RECD-END
                                                VATIFE ' (
         88
05 AIMF-BATCH-DATA.
    10 AIMF-BATCH-CAPT-DATE-YYYYM DD,
         20 AIMF-BATCH-CAPT-DATE-YYYY
                                                PIC
                                                       X(02).
             AIMF-BATCH-CAPT-DATE-MM
                                               PIC
                                                       X(01).
         20
                                                PTC
                                                       x(01).
         20 AIMF-BATCH-CAPT-DATE-DD
         AIMF-BATCH-CAPT-CYCLE
                                                PIC
                                                       X(01).
    10 AIMF-BATCH-NUMB-ITEMS
                                                PIC
                                                       9(07) COMP-3.
05 AIMF-ITEM-DATA.
    10 AIMF-ITEM
         OCCURS 0 to 350
         DEPENDING ON AIMF-BATCH-NUMB-ITEMS.
         15 AIMF-ITEM-REC-SEQUENCE
                                                PIC
                                                       X(06).
                                                PTC
                                                       X (05)
         15 AIMF-ITEM-REC-SERIAL
             AIMF-ITEM-REC-TRAN-TYPE
                                                PIC
                                                       X(02)
             88 AIMF-ITEM-TRAN-ONUS-BLOCK
                                                VALUE X'80F5'
                                                      X'82F5'
                                                      X'COF5'
                                                VALUE X'80F4'
             88 AIMF-ITEM-TRAN-ONUS-BATCH
                                                      X'82F4'
                                                      X'88F4'
                                                      X'COF4'
             88
                 AIMF-ITEM-TRAN-ONUS-CR
                                                VALUE X'1400'
                                                      X'1000'
             88
                  AIMF-ITEM-TRAN-ONUS-BTEC-CR
                                                VALUE X' 1600'
                                                     X'1E00'.
                                                VALUE X' 1000'
                  AIMF-ITEM-TRAN-ONUS-DB
                                                      X' 1800
                                                      x150001
             88
                 AIMF-ITEM-TRAN-ONUS-BTEC-DB
                                                VALUE X'1200'
                                                      X' 1A00' .
                                                VALUE X'0000'
             GG ATMC_TTEM_TDAM_TDAM_DD
                                                      Y' 0800
                                                      Y/ 2000
                                                      X' 4000' .
                                                VALUE X' 0200'
             88 AIMF-ITEM-TRAN-TRAN-BTEC-DB
                                                      X' 0A00'
                                                                     F16.8
                                                      X' 2200'
                                                      X'2A00' .
         15 AIMF-ITEM-RT
                                                PIC
                                                       X(04).
         15
             AIMF-ITEM-ACCT
                                                PIC
                                                        X(07).
         15
             AIMF-ITEM-PC
                                                PIC
                                                        X(03).
         15
             ATME-TTEM-AMT
                                                DTC
                                                       X(05).
         15
              AIMF-ITEM-CPUID
                                                PIC
                                                        X(02)
         15
             AIMF-ITEM-CPCS-TYPE
                                                PIC
                                                        X(01).
         15
              ATMF-ITEM-USER
                                                DTC
                                                        Y (01)
         15
              AIMF-ITEM-POCKET
                                                PIC
                                                       X(01)
             AIMF-ITEM-CR-RT
                                                PIC
                                                        X(04).
         15
              A IME-TTEM-CR-ACCT
                                                PTC
                                                        X (07)
         15
             AIMF-ITEM-CR-SEQU
                                                PTC
                                                        X (06)
             AIMF-ITEM-AMT-STATUS
                                                PIC
                                                       X(01).
         15
              88 AIMF-ITEM-AMT-OK
                                                VALUE ' '
             FILLER
                                                PIC
                                                        X(05).
         15
         15
              AIMF-ITEM-DATA-TYPE
                                                PIC
                                                        X (01)
              88 AIMF-ITEM-NUMB-NONE
                                                VALUE ' '
              88 AIMF-ITEM-NUMB-ONUS
                                                VALUE 'O'.
                  AIMF-ITEM-NUMB-TRANSIT
                                                VATURE 'T'
              នន
              AIMF-ITEM-NUMB-DATA
                                                PIC
                                                       X(23).
         15
              AIMF-ITEM-ONUS-DATA REDEFINES
              AIMF-ITEM-NUMB-DATA.
              20 AIMF-ONUS-POST-ACCT
                                                PIC
                                                        9(15)
                                                                 COMP-3.
              20 AIMF-ONUS-EXTR-ACCT
                                                        9 (15)
                                                                 COMP-3.
                                                PTC
              20 FILLER
                                                PIC
                                                        X(07).
              AIMF-ITEM-TRANSIT-DATA REDEFINES
              AIMF-ITEM-NUMB-DATA.
              20 AIMF-TRANS-BUNDLE-DATE
                                                PIC
                                                        X(04).
              20
                  AIMF-TRANS-BUNDLE-TIME
                                                PIC
                                                        X(08)
                  AIMF-TRANS-BUNDLE-AMT
                                                PIC
                                                        9 (09) V99 COMP-3.
              20
                  AIMF-TRANS-BUNDLE-ENDPT
```

PIC

9 (09)

20

AIMF - All Items Master File

		9998 Block Ticket	76000008 76000214	0076000011 Batch Ticket On-Us Debit Transit Debit	76000013 76000215	On-Us Credit Transit Debit On-Us Debit	76000014	On-Us Debit
ATL	77000227	Block Ticket Transit Debit	77000223	0076000223 Batch Ticket Transit Debit	77000225 77000327	On-Us Credit Transit Debit On-Us Debit	77000226	On-Us Debit

10

10

CLMF-BUNDLE-HOLD-OVER

01 CLMF-RECORD. 05 CLMF-KEY. PIC X(03). 10 CIMF-KEY-CL-PROC-SITE 9 (09) COMP-3. 10 CLMF-KEY-CL-PROC-DATE PIC 9 (09) COMP-3. 10 CLMF-KEY-CL-END-POINT PIC 9 (13) V99 COMP-3. PIC 10 CLMF-KEY-CL-AMNT COMP-3. PIC 9 (07) 10 CLMF-KEY-CL-TIME CLMF-DATA. COMP-3. 9 (09) 10 CLMF-KEY-SYST-DATE PIC PIC 9 (03) COMP-3. CLMF-KEY-ACLS-NUMB 10 9 (09) COMP-3. PIC CLMF-CL-ABA-NUMBER 10 COMP-3. 9 (15) CLMF-CL-DUE-FROM-ACCT PIC 9 (05) COMP-3. CLMF-CL-NUMBER-BUNDLES PIC 10 PIC 9 (09) COMP-3. CLMF-CL-NUMBER-ITEMS 10 X(01). PIC CLMF-CL-AVAIL-CODE 10 9 (09) CMOP-3. PIC 10 CLME-CL-AVAIL-DATE PIC X(14). 10 FILLER CLMF-CL-BUNDLE-DATA OCCURS 0 TO 400 TIMES DEPENDING ON CLMF-CL-NUMBER-BUNDLES. 9 (13) V99 COMP-3. PIC 10 CLMF-BUNDLE-AMNT COMP-3. 9 (03) CLMF-BUNDLE-CPCS-NUMB PIC 10 COMP-3. PIC 9 (03) CIMF-BUNDLE-ACLS-NUMB 10 9 (07) COMP-3. PIC CIME-BUNDLE-NUMB-ITEM

X(01).

PIC

CLMF - Cash Letter Master File

ATL 19980102 12345678 99,999,999.99 hhmmss

 CLMF Key
 Data Records

 ATL 19980102 12345678
 99,999,999.99 hhmms
 99,999,999.99

 99,999,999,999.99
 99,999,999,999.99

99,999,999,999.99

The state of the s

		ORD.			
05		F-KEY		PIC	x (03
	10		-VSM-KEY-APPL-SITE		'CER'
		88	BIMF-VSM-KEY-APPL-SITE-CHR	VALUE	
		88	BIMF-VSM-KEY-APPL-SITE-CVL	VALUE	
		88	BIMF-VSM-KEY-APPL-SITE-RAL		
		88	BIMF-VSM-KEY-APPL-SITE-COL	VALUE	
		88	BIMF-VSM-KEY-APPL-SITE-ATL	VALUE	'ATL'
	10		F-VSM-KEY-APPL-DATE.		
		20	BIMF-VSM-KEY-APPL-DATE-YYYY	PIC	X (02
		20	BIMF-VSM-KEY-APPL-DATE-MM	PIC	X (0:
		20	BIMF-VSM-KEY-APPL-DATE-DD	PIC	X (01
	10		P-VSM-KEY-END-POINT	PIC	9 (08
	10		F-VSM-KEY-BUNDLE-AMNT	PIC	9 (1:
	10		F-VSM-KEY-BUNDLE-TIME	PIC	9 (0
	10		F-VSM-KEY-INT-SEQ-NUMB	PIC	9 (0
	10		F-VSM-KEY-RECD-NUMB	PIC	9 (0
	10	BIM	F-VSM-KEY-RECD-TYPE	PIC	X(0)
		88	BIMF-VSM-KEY-RECD-CONT		·c'
		88	BIMF-VSM-KEY-RECD-END	VALUE	٠,,
05			ORD-DATA.		
	10		F-VSM-BUNDLE-MCRE-SEQ	PIC	X (0:
	10		F-VSM-BUNDLE-NUMB-ITEMS	PIC	9 (0
	10	BIM	F-VSM-RECORD-ITEMS	PIC	9 (0
	10	BIM	F-VSM-ENTRY	PIC	X (0:
	10		F-VSM-ITEM-CYCLE	PIC	X (0
	10		F-VSM-PASS	PIC	X (0
	10		F-VSM-PASS-POCKET	PIC	X (0
	10		F-VSM-STRING-TYPE	PIC	X (0
	10	BIM	F-VSM-SUBSET-ID	PIC	X (0
	10		LER	PIC	X(1
05	BIL	Œ-VSŁ	1-ITEM-DATA.		
	10	BIM	F-VSM-ITEM-DATA OCCURS 0 TO 550 T	IMES	_
			DEPENDING ON BIMF-VSM-RECO		
		15	BIMF-VSM-REC-ITEM-TRAN-TYPE	PIC	X (0
		15	BIMF-VSM-REC-ITEM-SEQUENCE	PIC	X (0
		15	BIMF-VSM-REC-ITEM-SERIAL	PIC	X (0
		15	BIMF-VSM-REC-ITME-RETURN	PIC	X (0
		15	BIMF-VSM-REC-ITEM-RT	PIC	X (0
		15	BIMF-VSM-REC-ITEM-ACCT	PIC	X (0
		15	BIMF-VSM-REC-ITEM-PC	PIC	X (0
		15	BIMF-VSM-REC-ITEM-AMT	PIC	X (C
		15	BIMF-VSM-REC-ITEM-BUNDLE-SEQU	PIC	X (0
		15	BIMF-VSM-REC-ITEM-AMT-STATUS	PIC	ж(0
			88 BIMF-VSM-REC-ITEM-ITEM-AMI		OE , ,
		15	FILLER	PIC	X (1

BIMF-Bundle Item Master File

BIME	Key	Data Reco	ds
ATL	19980102 12345678 99,999,999.99 hhmmss 1234		Transit Debit Transit Debit
ATL	19980102 12345678 99,999,999.99 hhmmss 1234		Transit Item
			Transit Item Transit Item

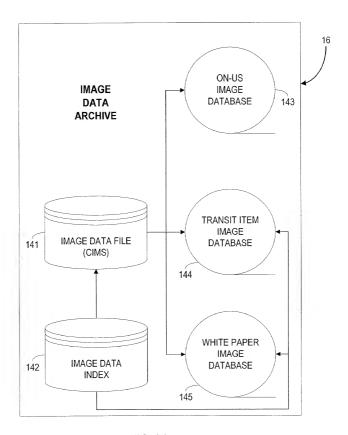


FIG.14

FIG. 15

ON-US ITEM IMAGE DATABASE	14
IMAGE DATE	F.
BANK ID NUMBER	15
ACCOUNT NUMBER	15
SEQUENCE NUMBER	15
SORTER ID NUMBER	15
SORTER CYCLE	15
IMAGE DATA	15
	15

FIG. 16

TRANSMIT ITEM IMAGE DATABASE

144

SEQUENCE NUMBER

SORTER ID NUMBER

SORTER CYCLE

164

IMAGE DATA

165

WHITE PAPER IMAGE DATABASE	-
IMAGE DATE	145
BANK ID NUMBER	171
ACCOUNT NUMBER	172
SEQUENCE NUMBER	173
SORTER ID NUMBER	174
SORTER CYCLE	175
IMAGE DATA	176
	⁻ 177

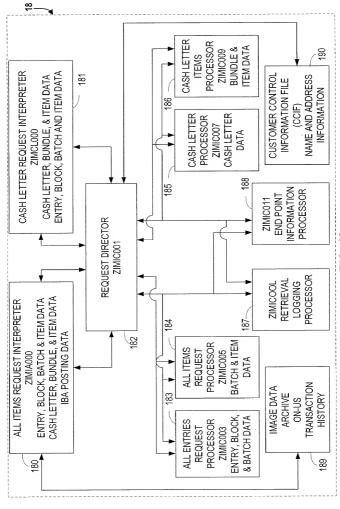
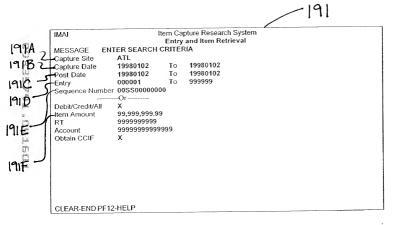


FIG. 18



F16.19

/200

IM.				ure Research Sys	tem		
Ca	pture Site	ATL	ENTE	RY LISTING			
ME	SSAGE	SELECT	ENTRY				
	Capture	Entry	Low Sequence	High Sequence	Blocks In	Batches In	Items In
S	Date	Number	Number	Number	Entry	Entry	Entry
	19980102	000001	00SS12345678	00SS12345678	999999	999999	999999
_	19980102	000002	00SS12345678	00SS12345678	999999	999999	999999
_	19980102	000003	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000004	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000005	00SS12345678	00SS12345678	999999	999999	999999
_	19980102	000006	00SS12345678	00SS12345678	999999	999999	999999
	19980102	000007	00SS12345678	00\$\$12345678	999999	999999	999999
_	19980102	800000	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000009	00SS12345678	00\$\$12345678	999999	999999	999999
-	19980102	000001	00SS12345678	00\$\$12345678	999999	999999	999999
-	19980102	000002	00SS12345678	00SS12345678	999999	999999	999999
_	19980102	000003	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000004	00SS12345678	00SS12345678	999999	999999	999999
_	19980102	000005	00SS12345678	00SS12345678	999999	999999	999999
-	19980102	000006	00SS12345678	00SS12345678	999999	999999	999999
_	19980102	000007	00SS12345678	00SS12345678	999999	999999	999999
	19980102	800000	00SS12345678	00SS12345678	999999	999999	999999
	19980102	000009	00SS12345678	00SS12345678	999999	999999	999999
CL	EAR-END PI	03-RETUR	RN PF07-BACKV	VARD PF08-FOF	RWARD		

IMAI		I	tem	Capture R	teseard	h Syster	m				
Capture Site	ATL	_	Block/Batch Listing								
MESSAGE	SEL	ECT BLOCK	(•					
Entry Number	9999	9	St	ring Type	99	Pass	99	Bloc	ks in Ent	rv 999999	
Capture Date	199	80102		ost Date	19980	3102			ches In Er		
Capture Cycle	99		Sı	ubset	99999	99			ns In Entr		
Tracer RT		99999		acer Acct		999999	999	,,,,,,	io in Emay	,	
110001111	000	00000	,,	000,71001	00000	000000					
Block Sequ	ence	Block		Batch Seq	uence	Batch			CAS	Items In	-
S Number		Amount		Number		Amou	ınt		Туре	Batch	
007600000	000	99,999,999.	99	00\$\$1234	5678	99.99	9.999	.99	9999	999999	
_		,,		00\$\$9999		99,99				999999	
007600010	000	99,999,999.	99	00\$\$1234		99,99			9999	999999	
-		,,		00\$\$9999		99,99				999999	
007600020	ากก	99,999,999.	99	00\$\$1234		99,99			9999	999999	
- 007000020		00,000,000.	,,,	00559999		99,99			0000	999999	
007600030	200	99,999,999.	00	00551234		99,99			9999	999999	
_ 007000000	000	33,333,333.	33	00551234		99.99			3333	999999	
- 007600040	200	99,999,999.	20	00\$\$1234		99,99			9999	999999	
_ 007600040	000	33,339,999.	99			99,99			5399	999999	
007600050	200	00 000 000		00\$\$9999					0000		
0076000501	000	99,999,999.	99	00\$\$1234		99,99			9999	999999	
_				00\$\$9999		99,99				999999	
-				00\$\$9999		99,99				999999	
				00\$\$9999		99,99				999999	
CLEAR-END P	-03-H	ETURN PE	07-	BACKWAF	KD PF	08-FOR	WAR	D_		_	

Block and batch amounts will be highlighted if they are not in balance with all of the respective Items

IMAI			ure Researd				
Capture Site	ATL		k/Batch Det	ail			
MESSAGE	SELECT ITE	M					
Entry Number	9999	String Ty	ype 99	Pass !	99 Blocks	In Entry	999999
Capture Date	19980102	Post Dat	te 1998	0102	Batche	s In Entry	999999
Capture Cycle	99	Subset	9999	99	Items I	n Entry	999999
Tracer RT	99999999	Tracer A	cct 9999	99999999	99 CAST	ype	9999
Block Number	00760000000	8 Block Ar	nt 99,99	9,999.99	Num It	ems	999999
Batch Number	00760000001	1 Batch Ar	mt 99,99	9,999.99	Num It	ems	99999
Sequ	DB/ Trn					Seria	l
S Number	CR Typ	RT	Account		Amount	Numl	ber
007600000	008 BK BK	12345678	12345678	901234	99,99 9, 99 9 .	99 1234	567890
007600000	011 BH BH	12345678	12345678	901234	9 9 ,999,999.	99 1234	567890
007600000	013 CR ON	12345678	12345678	901234	99,999,999.	99 1234	567890
007600000	014 DB ON	12345678	12345678	901234	99, 999,999 .	99 1234	567890
007600000	015 DB ON	12345678	12345678	901234	99,999,999.	99 1234	567890
007600000	016 DB ON	12345678	12345678	901234	99.999.999.	99 1234	567890
007600000	017 DB ON	12345678	12345678	901234	9 9,9 99 , 99 9 .	99 12345	5 67 89 0
007600000	018 DB ON	12345678	12345678	901234	99,999,99 9 .	99 12345	567890
007600000	019 DB ON	12345678	12345678	901234	99,999,999.	99 12345	567890
007600000	099 DB TR	12345678	12345678	901234	99 ,9 99 ,9 99.	99 1234	567890
_ 007600000	019 DB ON	12345678	12345678	901234	99 ,9 99,99 9 .	99 12345	567890
0076000000	019 DB ON	12345678	12345678	901234	99,999,999.	99 12345	5678 90
007600000	099 DB TR	12345678	12345678	901234	99,999,999.	99 12345	56789 0
CLEAR-END PI	F03-RETURN	PF07-BACK	WARD PE	08-FORV	VARD		

Block and batch amounts will be highlighted if they are not in balance with all of the respective Items.

Fig. 22

IMAI			1				h Syste	m			
Capture Site	ATL			On-Us Item Detail							
MESSAGE					_				District.	F - 4	000000
Entry Number				String		99	Pass	99	Blocks In Entry		999999
	apture Date 19980102			Post E			0102		Batches		999999
	Capture Cycle 99				Subset 999999			Items In		999999	
Tracer RT 99999999				Acct		9999999		CAS Typ Block Ite		999999	
	Block Number 007600000008			Block			9,999.9				999999
Batch Number	00760	,00000	77.7	Batch	Amt	99,9	9,999.9	9	Batch Ite	1115	999999
Sequ	DB/	Trn								Serial	
Number	CR Typ RT			Account Amou				unt	Numbe	er	
00760000009		ON		45678	1234	56789	01234	99,99	9,999.99	123456	7890
Image Key		ууууг	nmd	drrsss	sssss	c					
PC .		1234	56								
CPU ID		9999		CP	CS Ty	pe 91) User	Byte	99 Pc	cket 9	99
Posting Accoun	t	9999	9999	999999	9						
Extract Account				999999							
Account Name					XXXXX	XXXXX	XXXXX	XXXX	(XXXXXXX	CX	
Credit RT		9999									
Credit Account				999999							
Credit Sequence		0088									
Credit Account I								XXXX	(XXXXXX	ťΧ	
CLEAR-END F	PF03-R	RETUR	M I	-7F11-O	N-US A	ARCHI	٧Ł				

Block and batch amounts will be highlighted if they are not in balance with all of the respective Items

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IMAI		Item Capture R	esearch System	•	
Capture Site MESSAGE	MST	On-Us Archive	Item Detail		
Entry Number	9999	String Type	99 Pass 9	9 Blocks In Entry	999999
Capture Date	19980102	Post Date	19980102	Batches In Entry	999999
Capture Cycle	99	Subset	999999	Items In Entry	999999
Tracer RT	99999999	Tracer Acct	99999999999	99 CAS Type	9999
Block Number	007600000008	Block Amt	99,999,999.99	Block Items	999999
Batch Number	007600000011	Batch Amt	99,999,999.99	Batch Items	999999
		Associated	Posting Data -		
IBA Status	XXXX		Tran Type	XXXX	
Source	XXXXXXXX		Product Type		
Post Date	YYYYMMDD		Effective Date	YYYYMMDD	
Sequence	XXXXXXXXX	XXXXXXXXX	Number Of Ite	ms 999999	
Tran Code	9999		Tran Amount	999,999,999.	99
Total Float	999,999,999.9	9	Day 0 Float	999,999,999.	99
Day 1 Float	999,999,999.9	9	Day 2 Plus Flo	at 999,999,999.	99
Ledger Bal	999,999,999.9	9	Collected Bala	nce 999,999,999.	99
Description	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXX	
Except Code	99999 XXXX	XXXXXXXXX	XXXXXXXXXXX	XXXXXXXXX	
To Account	99999999999	999	From Account	9999999999	999
Credit Bank	999		Credit Account	9999999999	999
Credit Sequ	99999999999	9			

F16. 24.

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Section Section		8
-	6	

IMAI			Item Capture R			m			
Capture Site	ATL		Transit Iter	n Det	ail				
MESSAGE					_		5		999999
circij i i i i i i i i i i i i i i i i i i	9999		String Type	99 Pass		99			
Capture Date	apture Cycle 99 racer RT 99999999 lock Number 007600000008		Post Date		0102		Batches In		999999
Capture Cycle			Subset	9999			Items In E		99999
Tracer RT			Tracer Acct	9999999999999 99,999,999.99 99,999,999.99			CAS Type Block Items Batch Items		999999 999999
Block Number									
Batch Number	00760	0000011	Batch Amt	99,9	99,999.	19	Batch iten	15	333333
Sequence Number 00760000001 Image Key PC CPU ID End Point Bundle Date	CR	TRN 1	dd Bundle Tir	56789 c be 9	9 Use	Byte	99 Poc	CXXXX	57890 99
Credit Sequenc	e	0088123	45678						
Credit Account	Name	XXXXXX	XXXXXXXXXX	(XXX)	(XXXXX	(XXX	(XXXXXXXX	XXXX	
Credit RT Credit Account Credit Sequenc Credit Account	e Name	9999999 00SS123	9999999	(XXX)	(XXXX)	XXXX	(XXXXXXX	xxxx	

F18. 25

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					/	
IMAI			Item Capture			
Capture Site	e ATL		Transit Item C	ash Letter D	etail	
MESSAGE						
End Point	nt 999999999					XXXXXXXXXX
						XXXXXXXXXX
C.L. Date	199801	02	C L. Time		C.L. Amt	
C.L. Bundles	999999	}	C L. ABA		Due From	
C.L. Items	999999)	Avail Code	9	Avail Date	
Schedule	999		System Date		Entry	9999
Bundle Date	199801	02	Bundle Time	HHMMSS		999,999,999.99
Pass Pocket	99-99-9	99-99	Pass 99	String 9	Subset	999999
Item Data		Before	Item	Item		After Item
Sequence Nu	mber	007600	0000019	007600000019		007600000019
RT		12345	6789	12345678	•	123456789
Account		999999	99999999	99999999		99999999999
Amount		999,99	9,999.99	999,999,9		999,999,999.99
Serial		99999	9999	99999999		999999999
PC		99		99		9 9
Sequence In I	Bundle	999999	999999	99999999		9999999999
Return		99		99		99
CLEAR-END	PF03-RE	ETURN				

IMAI Item Capture Research System Capture Site ATL Specific Item Search Listing MESSAGE SELECT ITEM Sequence DB/ Trn Serial S Number CR Typ Account Amount Number 007600000008 CR ON 12345678 12345678901234 99,999,999.99 1234567890 007600000011 DB ON 12345678 12345678901234 99.999.999.99 1234567890 007600000013 CR ON 12345678 12345678901234 99,999,999.99 1234567890 007600000014 DB ON 12345678 12345678901234 99,999,999.99 1234567890 12345678901234 99,999,999.99 108600000015 DB ON 12345678 1234567890 007600000016 DB ON 12345678 12345678901234 99.999.999.99 1234567890 007600000017 DB ON 12345678 12345678901234 99.999.999.99 1234567890 007600000018 DB ON 12345678 12345678901234 99,999,999,99 1234567890 007600000019 DB ON 12345678 12345678901234 99.999.999.99 1234567890 007600000021 DB TR 12345678 12345678901234 99.999.999.99 1234567890 99.999.999.99 007600000022 DB ON 12345678 12345678901234 1234567890 007600000023 DB ON 12345678 12345678901234 99,999,999.99 1234567890 007600000024 DB TR 12345678 12345678901234 99,999,999.99 1234567890 007600000025 DB ON 12345678 12345678901234 99,999,999.99 1234567890 007600000026 DB ON 12345678 12345678901234 99,999,999.99 1234567890 007600000027 DB ON 12345678 12345678901234 99,999,999.99 1234567890 007600000028 DB ON 12345678 12345678901234 99,999,999.99 1234567890 007600000029 DB TR 12345678 12345678901234 99,999,999.99 1234567890 CLEAR-END PF03-RETURN PF07-BACKWARD PF08-FORWARD

IMAI		Item Capture Re						
Capture Site	ATL	Specific Item Search Listing						
MESSAGE	SELECT ITEM	Л						
Sequence								
S Number	Item RT	Item Account	Dep Account	Dep Account Name				
00760000000	8 12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXX				
00760000001	1 12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXX				
_ 00760000001	3 12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXX				
00760000001	4 12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXX				
10860000001	5 12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXX				
00760000001	6 12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXX				
00760000001	7 12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXX				
00760000001	8 12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXX				
00760000002	1 12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXX				
00760000002	2 12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXX				
00760000002	3 12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXX				
00760000002	4 12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXX				
00760000002	5 12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX				
00760000002	6 12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXX				
00760000002	7 12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXX				
00760000002	8 12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				
00760000002	9 12345678	12345678901234	12345678901234	XXXXXXXXXXXXXXXXX				
CLEAR-END PFO	3-RETURN	PF07-BACKWARD	PF08-FORWARD					

290 IMCL Item Capture Research System Capture Site ATL Cash Letter Retrieval MESSAGE 19980102 To 19980102 000000000 -End Point C.L /Bundle Flag X 290B 290D 290C 290C 290C 1 -C.L./BundfeAmt 0,000,000,000,000.00 9,999,999,999,999.99 To Item Amt 00000000.00 Before Amt 00000000.00 After Amt 00000000.00 Clear-End

/300

IMCL		Item Capture Researc			
Capture Site	ATL	Cash Letter Lis	ting		
MESSAGE	Select Cash	Letter			
Cash Le	tter Cash Letter	Cash Letter	End	Cash Letter	Cash Letter
S Date	Time	Amount	Point	Bundles	Items
1998010	2 HHMMSS	9,999,999,999,999.99	123456789	999999	999999
1998010	2 HHMMSS	9,999,999,999,999.99	123456789	999999	999999
1998010		9,999,999,999.99	123456789	999999	999999
1998010		9,999,999,999,999.99	123456789	999999	999999
1998010		9,999,999,999,999.99	123456789	999999	999999
1998010		9,999,999,999,999.99	123456789	999999	999999
1998010		9,999,999,999,999.99	123456789	999999	999999
1998010		9,999,999,999,999.99	123456789	999999	999999
1998010		9,999,999,999,999.99	123456789	999999	999999
1998010	-	9,999,999,999,999.99	123456789	999999	999999
1998010		9,999,999,999,999.99	123456789	999999	999999
1998010		9,999,999,999,999.99	123456789	999999	999999
1998010		9,999,999,999,999.99	123456789	999999	999999
1998010		9,999,999,999,999.99	123456789	999999	999999
1998010		9,999,999,999,999.99	123456789	999999	999999
1998010		9,999,999,999,999.99	123456789	999999	999999
1998010		9,999,999,999,999.99	123456789	999999	999999
1998010		9,999,999,999,999.99	123456789	999999	999999
	D PF03-RETURN		F08-FORWA	RD	

Fig. 30

MCL		Item Capture	Researc	h System	
Capture Site	ATL	Cash Letter	Bundle	Listing	
MESSAGE	Select Cash	Letter			
End Point	999999999				XXXXXXXXXXXXXX
		XXXXXXXXX	XXXXX	CXXXXXXXX	XXXXXXXXXXXXX
C.L. Date	19980102		MMSS	C.L. Amt	9,999,999,999,999.99
C.I. Bundles	999999			Due From	999999999999
CCIF Name	XXXXXXXX	XXXXXXXXXXXX	XXXXX	(XXXXXXXX	XXXXXXXXXXXXXXX
1 Items 999999		Avail Code 9		Avail Date	19980102
Schedule	999	System Date 1998	0102		
	9999999.99	Before Amt 9999			9999999.99
Bundle	Bundle	Bundle	Numbe		
S Date	Time	Amount		n Bundle	
19980102	HHMMSS	999,999,999.99	999,99		
19980102	HHMMSS	999,999,999.99	999,99		
19980102	HHMMSS	999,999,999.99	999,99		
19980102	HHMMSS	999,999,999.99	999,99		
19980102	HHMMSS	999,999,999.99	999,99		
19980102	HHMMSS	999,999,999.99	999,99		
19980102	HHMMSS	999,999,999.99	999,99		
19980102	HHMMSS	999,999,999.99	999,99		
19980102	HHMMSS	999,999,999.99	999,99		
19980102	HHMMSS	999,999,999.99	999,99		
19980102	HHMMSS	999,999,999.99	999,99		
19980102	HHMMSS	999,999,999.99	999,99		
19980102	HHMMSS	999,999,999.99	999,99		
19980102	HHMMSS	999,999,999.99	999,99		_
CLEAR-END P	F03 RETURN	PF07-BACKWA	RD PF0	98-FORWAR	RD .

F16.31

Item Capture Research System IMCL **Bundle Listing** Capture Site ATL MESSAGE Select Bundle Number Of Bundle Bundle Bundle Time Amount Items In Bundle S Date 999,999,999.99 **HHMMSS** 999,999,999 19980102 999,999,999 999,999,999.99 19980102 **HHMMSS** 19980102 **HHMMSS** 999,999,999,99 999,999,999 999,999,999.99 999,999,999 **HHMMSS** 19980102 999,999,999 **HHMMSS** 999,999,999.99 19980102 19980102 **HHMMSS** 999,999,999,99 999,999,999 999,999,999.99 999,999,999 **HHMMSS** 19980102 999,999,999.99 999,999,999 19980102 HHMMSS 999,999,999 19980102 HHMMSS 999,999,999.99 999,999,999,99 999,999,999 19980102 **HHMMSS** 999,999,999.99 999,999,999 19980102 HHMMSS 999,999,999.99 999,999,999 19980102 **HHMMSS** 999,999,999,999,999,999 19980102 **HHMMSS** 19980102 **HHMMSS** 999,999,999.99 999,999,999 PF07-BACKWARD PF08-FORWARD CLEAR-END PF03 RETURN

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-330

	CL								System		
	pture Site	ATL			Cash	Letter	Bur	idle I	Petail		
	ESSAGE	Select									
En	d Point	999999	999	XXXX	(XXX)	(XXXX	XXX	XXXX	XXXXXXXX	XXXXXXXXX	XX
				XXXX	(XXX)	(XXXX	XXX	(XXX	XXXXXXXX	XXXXXXXXX	XX
C.I	L. Date	199801	02	CL. Tit	me	HHM	MS:	s	C.L. Amt	9,999,999	,999,999.9
C.I	 L. Bundles 	999999	1	C L. Al	3A	9999	999	99	Due From	99999999	999999
cc	OF Name	XXXXX	XXXX	XXXXX	(XXX)	CXXXX	XXX	(XXX	XXXXXXXX	XXXXXXXXX	XXXX
l c.i	L. Items	999999	1	Avail C	ode	9			Avail Date	19980102	
Sc	hedule	999		System	Date	1998	010	2	Entry	9999	
Bu	ndle Date	199801		Bundle					Bundle Amt	999,999,9	99.99
Pa	ss Pocket	99-99-9	9-99	Pass	99	Strine	3	9	Subset	999999	
	m Amt	999999		Before					After Amt	99999999	99
	Sequence									Serial	Sequ In
S	Number	F	RT.	Ac	coun	t		Amo	unt	Number	Bundle
_	007700000	0227 1	234567	78 12	34567	89012	34	999,	999,999.99	1234567890	123456
1	007700000	0228 1	234567	78 12	34567	89012	34	999,	999,999.99	1234567890	123456
-	007700000	0229 1	234567	78 12	34567	789012	34	999,	999,999.99	1234567890	123456
_	007700000	0230 1	234567	78 12	34567	789012	34	999,	999,999.99	1234567890	123456
	007700000)231 1	234567	78 12	34567	89012	34	999,	999,999.99	1234567890	123456
•	007700000	232 1	234567	78 12	34567	89012	34	999,	999,999.99	1234567890	123456
-			234567	78 12	34567	89012	34	999,	999,999.99	1234567890	123456
-	007700000	1233 1	234301								

Fig. 33

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IMCL		Item Cap	ture Researc	h System	
Capture Site	ATL	Cash L	etter Bundle	Detail	
MESSAGE					
End Point	99999999 X	XXXXXXXXXX	XXXXXXXXX	XXXXXXXXXX	XXXXXX
	X	XXXXXXXXXX	XXXXXXXXX	XXXXXXXXXX	XXXXXX
C.L. Date	19980102	C L. Time	HHMMSS	C L. Amt	9,999,999,999,999.99
C.L. Bundles	999999	C L. ABA	99999999		999999999999
CCIF Name	XXXXXXXX	XXXXXXXXXX	XXXXXXXXX	XXXXXXXXXX	(XXXXXXXXXXX
C.L. Items	999999	Avail Code	9	Avail Date	19980102
Schedule	999	System Date	19980102	Entry	9999
Bundle Date	19980102	Bundle Time	HHMMSS	Bundle Amt	999,999,999.99
Pass Pocket				Subset	999999
Item Sequenc Item Type Item RT	e Number	007600000019 TRN 123456789 999999999999			

Item Capture Research System IMCI Capture Site ATL Cash Letter All Item Detail MESSAGE Select Item **End Point** 9.999.999.999.999.99 C L Time **HHMMSS** C L. Amt C.L. Date 19980102 C.L. ABA 99999999 Due From 999999999999 C.L. Bundles 999999 CCIF Name Avail Date 19980102 999999 Avail Code C.L. Items System Date 19980102 Entry 9999 Schedule 999 Bundle Time HHMMSS Bundle Amt 999,999,999.99 Bundle Date 19980102 99 Subset 999999 Pass Pocket 99-99-99 Pass String 9 9999999.99 Before Amt 9999999999 After Amt 9999999.99 Item Amt Entry Number 9999 String Type Pass Blocks In Entry 999999

Capture Date 19980102 Post Date 19980102 Batches In Entry 999999 999999 Subset 999999 Items in Entry Capture Cycle 99 9999999 Tracer Acct 9999999999999 CAS Type 9999 Tracer RT 999999 Block Number 007600000008 Block Amt 99,999,999.99 Block Items 999999 Batch Amt 99,999,999.99 Batch Items Batch Number 00760000011 PC 123456 CPUID 9999 CPCS Type 99 99 User Byte Pocket 99 999999999999 Credit RT 99999999 Credit Acct Credit Seau 99SS12345678 Acct Name XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX CLEAR-END PF03-RETURN